



VOLT™ Series

Heavy-Duty Food Grade, Charge Reducing, Polyurethane Material Handling Hose with Grounding Wire

GENERAL APPLICATIONS

- Bulk truck and railcar unloading
- Fly ash collection
- Food grade material handling – heavy duty abrasive
- Milling machine scrap recovery
- Pharmaceutical product transfer
- Plastic processing equipment
- Pneumatic conveying equipment

CONSTRUCTION

Charge reducing polyurethane tube, rigid helix and grounding wire (patent pending)

SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +150°F (+65°C)*

*Actual service temperature range is application dependent.



FEATURES AND ADVANTAGES

- **Superior Static Protection!** – A properly grounded Voltbuster™ hose will not retain an electrostatic charge sufficient to create a propagating brush discharge. Hose material, using the embedded grounding wire, shows a charge decay time constant of < 1 second, based on independent lab testing.
- **Food Grade Materials** – Hose tube complies with FDA⁽⁰⁵⁾ requirements. Grounding wire embedded in external helix to prevent material contamination.
- **Extra Thick Abrasion Resistant Double-Ply Polyurethane Tube** – Provides for longer hose life & lower operating costs versus rubber or PVC hoses.
- **Fabric Reinforcement** – Designed with high tensile strength, food grade FDA⁽⁰⁶⁾, polyester yarn jacket to handle both suction, and higher pressure discharge applications.
- **Transparent Construction** – “See-the-flow”. Allows for visual conformation of material flow.
- **“Cold-Flex” Materials** – Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix** – Rigid helix design protects hose from wear; allows hose to slide easily over rough surfaces. Easy to handle.

Series Number	ID		OD		Working Pressure (psi)		Vacuum Rating Hg (in)		Min. Bending Radius (in) at 68°F	Standard Length (ft)	Weight (lbs/ft)
	(in)	(mm)	(in)	(mm)	at 68°F	at 104°F	at 68°F	at 104°F			
VOLT150	1 1/2	38.1	1.87	47.5	40	20	Full	28	2	100/60	0.31
VOLT200	2	51.1	2.52	63.9	40	20	Full	28	6	100/60	0.61
VOLT250	2 1/2	63.5	2.96	75.2	40	20	Full	28	7	100	0.76
VOLT300	3	76.2	3.60	91.4	40	20	Full	28	9	100/60/20	0.91
VOLT400	4	101.6	4.69	121.0	35	17	28	25	12	100/60/20	1.70
VOLT500	5	127.0	5.75	146.8	35	17	28	25	14	60/20	2.13
VOLT600	6	153.4	6.81	173.2	30	15	25	20	16	60/20	2.53
VOLT800	8	203.5	8.76	223.3	30	15	25	20	18	20	3.30
VOLT1000	10	255.5	11.04	280.5	25	10	22	16	25	20	4.99

NOTES:

- Service life may vary depending on operating conditions and type of material being conveyed.
- ⚠ **CAUTION:** Grounding wire is designed to help dissipate static charge when extracted and connected to ground. Hose is not to be used in combustible situations unless it has been determined by the end user the application is not sufficient to result in propagating brush discharge.

COMPLIANCES (for details see page 87)

BSE/TSE (02), FDA (05), FDA (06), Phthalate Free (10), RoHS (11)

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



Plastixs • 151 Memorial Drive, Suite H • Shrewsbury • MA • 01545
(508) 842-1606 • www.plastixs.com • sales@plastixs.com